

CLAIMS:

1. A transmission system comprising at least a station of a first type and a station of a second type which include a transmitting part having a transmit timing controller for transmitting data at a transmit timing and a receiving part having synchronizing circuits for synchronization with data transmitted from another station to provide a receive timing,
5 characterized in that the transmit timing is fixed in response to the receive timing.

2. A transmission system as claimed in claim 1, formed by a station of the first type where the receiving part comprising a synchronizing circuit for determining the receiving timing of a plurality of stations of the second type, characterizing in that the synchronizing circuit of the station of the first type is known to all the stations of the second type.
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3. A transmission system as claimed in claim 1 or 2, characterized in that the stations of the second type comprise means for evaluating a frequency shift, of the receiving frequency relative to the transmitting frequency of the station of the first type and means for modifying the transmitting frequency of the station of the second type as a function of this frequency deviation.
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4. A station of the first type suitable for a system comprising at least a station of a first type and a station of a second type which include a transmitting part having a transmit timing controller for transmitting data at a transmit timing and a receiving part having synchronizing circuits for synchronization with data transmitted from another station to provide a receive timing, characterized in that it comprises a receiving circuit to be shared by all the stations of the second type to which it is connected.
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5. A synchronization method suitable for a system comprising at least a station of a first type and a station of a second type which include a transmitting part having a transmit timing controller for transmitting data at a transmit timing and a receiving part having
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synchronizing circuits for synchronization with data transmitted from another station to provide a receive timing, characterized in that it comprises the following steps:

- measuring the receive clock deviation made at the stations of the second type,
- comparing the transmit clock at the station of the second type by adopting the

5 opposite deviation value,

- single synchronization of the receive clock at the station of the first type.

09730879-120600